

Online appendix H: Further impact analysis and/or robustness checks

Table H.1: Effects of being a beneficiary of CGP on domain indices among HSCT ineligible, Kalabo and Shangombo only [Western province]

	(1) Total consumption per capita	(2) Food security scale	(3) Overall asset index	(4) Domestic asset index	(5) Livestock index	(6) Productive asset index	(7) Relative poverty index	(8) Incomes & Revenues index*	(9) Finance & Debt index*	(10) Schooling index	(11) Material needs index
VARIABLES										11-17 years	5-17 years
Treatment	-0.0151 (0.0718)	0.0534 (0.154)	0.0984 (0.101)	0.0422 (0.0942)	0.108 (0.101)	0.0805 (0.0938)	0.138 (0.117)	0.294*** (0.102)	0.134 (0.115)	0.0404 (0.0889)	-0.0409 (0.0734)
DD[36-Month] Treatment*36-Month	0.368*** (0.0968)	0.454** (0.177)	0.367*** (0.128)	0.372*** (0.131)	0.336*** (0.118)	0.141 (0.120)	0.801*** (0.135)			0.0569 (0.0952)	0.460*** (0.108)
DD[84-Month] Treatment*84-Month	0.110 (0.129)	0.0990 (0.190)	0.0644 (0.126)	0.0819 (0.133)	0.156 (0.119)	-0.0934 (0.123)	-0.106 (0.163)	-0.173 (0.159)	-0.0686 (0.138)	0.0245 (0.0975)	-0.0154 (0.101)
Observations	3,315	3,270	3,316	3,315	3,294	3,311	3,283	2,392	2,392	3,542	8,681
R-squared	0.227	0.068	0.190	0.202	0.107	0.118	0.140	0.102	0.011	0.078	0.111
p-value(36m=84m)	0.0280	0.0340	0.00900	0.00900	0.0580	0.0360	0	0.054	0.417	0.704	0

Notes: Estimations use difference in difference modeling using the balanced panel sampled and three waves (baseline, 36 months and 84 months). Income & Revenues and Finance & Debt indices are estimated using only the 36 and 84 month waves. Consumption, food security and child material needs indices are standardized measures against the control group within each round; the remaining summary indices are computed as the equally weighted average of z-scores of each indicator within the domain, then standardized against the control group within each round. Impact estimates are mean standardized ITTs, therefore effect sizes are expressed in SD of the control group. Robust standard errors clustered at the community level are in parentheses. *p < 0.1 **p < 0.05; ***p < 0.01. Estimations are adjusted and include respondent's age, education and marital status, household size and household demographic composition, and a district. Specifications 10 and 11 also include child's age and gender as controls.

Table H.2: Effects of exposure to CGP on domain indices among HSCT ineligible, Kalabo and Shangombo only [Western province]

	(1) Total consumption per capita	(2) Food security scale	(3) Overall asset index	(4) Domestic asset index	(5) Livestock index	(6) Productive asset index	(7) Relative poverty index	(8) Incomes & Revenues index*	(9) Finance & Debt index*	(10) Schooling index	(11) Material needs index
										11-17 years	5-17 years
Exposure (logged)	-0.00723 (0.0186)	0.0137 (0.0406)	0.0256 (0.0267)	0.0138 (0.0244)	0.0266 (0.0268)	0.0197 (0.0248)	0.0337 (0.0303)	0.0735*** (0.0266)	0.0337 (0.0299)	0.0121 (0.0225)	-0.00912 (0.0189)
DD[36-Month] Exposure*36-Month	0.0954*** (0.0251)	0.117** (0.0468)	0.0986*** (0.0335)	0.0947*** (0.0337)	0.0930*** (0.0310)	0.0404 (0.0314)	0.208*** (0.0349)			0.0124 (0.0249)	0.115*** (0.0280)
DD[84-Month] Exposure*84-Month	0.0327 (0.0334)	0.0255 (0.0494)	0.0159 (0.0330)	0.0163 (0.0346)	0.0430 (0.0313)	-0.0237 (0.0319)	-0.0236 (0.0419)	-0.0441 (0.0408)	-0.0145 (0.0358)	0.00617 (0.0253)	-0.00778 (0.0259)
Observations	3,315	3,270	3,316	3,315	3,294	3,311	3,283	2,392	2,392	3,542	8,681
R-squared	0.227	0.067	0.191	0.202	0.108	0.118	0.138	0.101	0.011	0.078	0.111
p-value(36m=84m)	0.0400	0.0320	0.00700	0.00800	0.0440	0.0310	0	0.061	0.457	0.777	0

Notes: Estimations use difference in difference modeling using the balanced panel sampled and three waves (baseline, 36 months and 84 months). Income & Revenues and Finance & Debt indices are estimated using only the 36 and 84 month waves. Consumption, food security and child material needs indices are standardized measures against the control group within each round; the remaining summary indices are computed as the equally weighted average of z-scores of each indicator within the domain, then standardized against the control group within each round. Impact estimates are mean standardized ITTs, therefore effect sizes are expressed in SD of the control group. Robust standard errors clustered at the community level are in parentheses. *p < 0.1 **p < 0.05; ***p < 0.01. Estimations are adjusted and include respondent's age, education and marital status, household size and household demographic composition, and a district dummy. Specifications 10 and 11 also include child's age and gender as controls.

Table H.3: Effects of being a beneficiary of CGP on domain indices among highly exposed (>48 months) HSCT ineligible, Kalabo and Shangombo only [Western province]

	(1) Total consumption per capita	(2) Food security scale	(3) Overall asset index	(4) Domestic asset index	(5) Livestock index	(6) Productive asset index	(7) Relative poverty index	(8) Incomes & Revenues index*	(9) Finance & Debt index*	(10) Schooling index 11-17 years	(11) Material needs index 5-17 years
Treatment	-0.0696 (0.0838)	0.0840 (0.190)	0.0789 (0.137)	0.0796 (0.120)	0.0593 (0.128)	0.0464 (0.122)	0.0993 (0.129)	0.228* (0.117)	0.0769 (0.124)	0.0608 (0.0953)	-0.0701 (0.0842)
DD[36-Month]											
Treatment*36-Month	0.376*** (0.107)	0.339 (0.214)	0.462*** (0.152)	0.414*** (0.145)	0.402*** (0.149)	0.253* (0.142)	0.757*** (0.153)			0.0180 (0.126)	0.449*** (0.131)
DD[84-Month]											
Treatment*84-Month	0.172 (0.142)	0.0809 (0.211)	0.0645 (0.150)	0.0254 (0.161)	0.227 (0.142)	-0.110 (0.144)	0.0142 (0.161)	-0.171 (0.159)	0.0551 (0.145)	0.00999 (0.132)	-0.0167 (0.117)
Observations	2,429	2,399	2,429	2,428	2,414	2,425	2,410	1,748	1,748	2,612	6,437
R-squared	0.199	0.055	0.178	0.177	0.103	0.113	0.098	0.079	0.009	0.073	0.087
p-value(36m=84m)	0.0960	0.0950	0.00900	0.00900	0.135	0.0130	0	0.124	0.934	0.939	0.00200

Notes: Estimations use difference in difference modeling using the balanced panel sampled and three waves (baseline, 36 months and 84 months). Income & Revenues and Finance & Debt indices are estimated using only the 36 and 84 month waves. Consumption, food security and child material needs indices are standardized measures against the control group within each round; the remaining summary indices are computed as the equally weighted average of z-scores of each indicator within the domain, then standardized against the control group within each round. Impact estimates are mean standardized ITTs, therefore effect sizes are expressed in SD of the control group. Robust standard errors clustered at the community level are in parentheses. *p < 0.1 **p < 0.05; ***p < 0.01. Estimations are adjusted and include respondent's age, education and marital status, household size and household demographic composition, and a district dummy. Specifications 10 and 11 also include child's age and gender as controls.

Table H.4: Effects of being a beneficiary of CGP on domain indices among highly exposed (>59 months) HSCT ineligible, Kalabo and Shangombo only [Western province]

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Total consumption per capita	Food security scale	Overall asset index	Domestic asset index	Livestock index	Productive asset index	Relative poverty index	Incomes & Revenues index*	Finance & Debt index*	Schooling index	Material needs index
										11-17 years	5-17 years
Treatment	-0.213 (0.148)	0.150 (0.252)	-0.00102 (0.208)	0.0612 (0.161)	0.0715 (0.209)	-0.131 (0.216)	0.0606 (0.215)	0.254 (0.195)	-0.0676 (0.197)	0.0813 (0.125)	-0.151 (0.0950)
DD[36-Month]											
Treatment*36-Month	0.542*** (0.145)	0.298 (0.301)	0.833*** (0.189)	0.822*** (0.238)	0.528** (0.259)	0.573*** (0.175)	0.723*** (0.246)			-0.0521 (0.199)	0.412** (0.166)
DD[84-Month]											
Treatment*84-Month	0.650*** (0.210)	0.0483 (0.288)	0.359 (0.347)	0.195 (0.362)	0.353 (0.374)	0.266 (0.256)	-0.182 (0.253)	-0.0560 (0.263)	0.205 (0.219)	0.0916 (0.169)	0.0949 (0.176)
Observations	1,842	1,826	1,842	1,841	1,833	1,839	1,833	1,328	1,328	1,992	4,892
R-squared	0.188	0.056	0.175	0.184	0.103	0.108	0.070	0.065	0.014	0.073	0.078
p-value(36m=84m)	0.581	0.229	0.183	0.0900	0.527	0.328	0	0.464	0.503	0.572	0.202

Notes: Estimations use difference in difference modeling using the balanced panel sampled and three waves (baseline, 36 months and 84 months). Income & Revenues and Finance & Debt indices are estimated using only the 36 and 84 month waves. Consumption, food security and child material needs indices are standardized measures against the control group within each round; the remaining summary indices are computed as the equally weighted average of z-scores of each indicator within the domain, then standardized against the control group within each round. Impact estimates are mean standardized ITTs, therefore effect sizes are expressed in SD of the control group. Robust standard errors clustered at the community level are in parentheses. *p < 0.1 **p < 0.05; ***p < 0.01. Estimations are adjusted and include respondent's age, education and marital status, household size and household demographic composition, and districts. Specifications 10 and 11 also include child's age and gender as controls.

Table H.5: Effects of being a beneficiary of CGP on domain indices among HSCT eligibles, Kaputa only [Northern province]

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Total consumption per capita	Food security scale	Overall asset index	Domestic asset index	Livestock index	Productive asset index	Relative poverty index	Incomes & Revenues index*	Finance & Debt index*	Schooling index 11-17 years	Material needs index 5-17 years
Treatment	0.389** (0.143)	0.0643 (0.155)	-0.0253 (0.149)	-0.0239 (0.139)	-0.186 (0.158)	0.117 (0.177)	0.241 (0.154)	0.465*** (0.149)	0.720*** (0.122)	0.0644 (0.131)	-0.315** (0.127)
DD[36-Month] Treatment*36-Month	0.203 (0.150)	0.416 (0.277)	1.004*** (0.231)	0.855*** (0.150)	0.915*** (0.233)	0.506* (0.258)	0.452 (0.272)			0.119 (0.137)	0.973*** (0.218)
DD[84-Month] Treatment*84-Month	-0.0974 (0.309)	-0.114 (0.237)	-0.00952 (0.229)	0.0785 (0.203)	0.143 (0.241)	-0.214 (0.252)	-0.299 (0.198)	-0.495** (0.223)	-0.655*** (0.198)	-0.00282 (0.145)	0.314* (0.160)
Observations	802	796	802	798	795	789	802	568	568	1,173	2,624
R-squared	0.127	0.094	0.210	0.205	0.130	0.125	0.121	0.137	0.085	0.087	0.117
p-value(36m=84m)	0.327	0.00500	0	0	0.00300	0.00100	0.00900	0.0100	0	0.277	0.00100

Notes: Estimations use difference in difference modeling using the balanced panel sampled and three waves (baseline, 36 months and 84 months). Income & Revenues and Finance & Debt indices are estimated using only the 36 and 84 month waves. Consumption, food security and child material needs indices are standardized measures against the control group within each round; the remaining summary indices are computed as the equally weighted average of z-scores of each indicator within the domain, then standardized against the control group within each round. Impact estimates are mean standardized ITTs, therefore effect sizes are expressed in SD of the control group. Robust standard errors clustered at the community level are in parentheses. *p < 0.1 **p < 0.05; ***p < 0.01. Estimations are adjusted and include respondent's age, education and marital status, household size and household demographic composition, and a district. Specifications 10 and 11 also include child's age and gender as controls.

Table H.6: Effects of exposure to CGP on domain indices among HSCT eligibles, Kaputa only [Northern province]

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Total consumption per capita	Food security scale	Overall asset index	Domestic asset index	Livestock index	Productive asset index	Relative poverty index	Incomes & Revenues index*	Finance & Debt index*	Schooling index 11-17 years	Material needs index 5-17 years
Exposure (logged)	0.102** (0.0381)	0.0180 (0.0413)	-0.00620 (0.0396)	-0.00665 (0.0369)	-0.0489 (0.0424)	0.0317 (0.0473)	0.0646 (0.0411)	0.127*** (0.0394)	0.194*** (0.0323)	0.0181 (0.0351)	-0.0840** (0.0342)
DD[36-Month]											
Exposure*36-Month	0.0562 (0.0395)	0.111 (0.0733)	0.271*** (0.0606)	0.231*** (0.0395)	0.247*** (0.0616)	0.136* (0.0677)	0.118 (0.0721)			0.0303 (0.0377)	0.261*** (0.0578)
DD[84-Month]											
Exposure*84-Month	-0.0241 (0.0820)	-0.0335 (0.0637)	0.00138 (0.0612)	0.0260 (0.0548)	0.0400 (0.0644)	-0.0542 (0.0675)	-0.0798 (0.0528)	-0.134** (0.0588)	0.178*** (0.0524)	-0.00195 (0.0387)	0.0829* (0.0427)
Observations	802	796	802	798	795	789	802	568	568	1,173	2,624
R-squared	0.127	0.094	0.211	0.206	0.131	0.125	0.119	0.138	0.086	0.087	0.118
p-value(36m=84m)	0.323	0.00400	0	0	0.00300	0.00100	0.0100	0.00800	0	0.288	0.00100

Notes: Estimations use difference in difference modeling using the balanced panel sampled and three waves (baseline, 36 months and 84 months). Income & Revenues and Finance & Debt indices are estimated using only the 36 and 84 month waves. Consumption, food security and child material needs indices are standardized measures against the control group within each round; the remaining summary indices are computed as the equally weighted average of z-scores of each indicator within the domain, then standardized against the control group within each round. Impact estimates are mean standardized ITTs, therefore effect sizes are expressed in SD of the control group. Robust standard errors clustered at the community level are in parentheses. *p < 0.1 **p < 0.05; ***p < 0.01. Estimations are adjusted and include respondent's age, education and marital status, household size and household demographic composition, and a district dummy. Specifications 10 and 11 also include child's age and gender as controls.

Table H.7: Effects of being a beneficiary of CGP on domain indices among highly exposed (>48 months) HSCT eligibles, Kaputa only [Northern province]

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Total consumption per capita	Food security scale	Overall asset index	Domestic asset index	Livestock index	Productive asset index	Relative poverty index	Incomes & Revenues index*	Finance & Debt index*	Schooling index 11-17 years	Material needs index 5-17 years
Treatment	0.110 (0.168)	0.150 (0.228)	0.0581 (0.234)	-0.0589 (0.168)	-0.0631 (0.297)	0.175 (0.260)	0.274 (0.173)	0.810*** (0.207)	0.910** *	0.186 (0.162)	-0.267 (0.218)
DD[36-Month] Treatment*36-Month	0.444*** (0.144)	0.332 (0.354)	1.274*** (0.296)	1.211*** (0.200)	1.193*** (0.366)	0.627** (0.282)	-0.00750 (0.259)			-0.0373 (0.272)	1.191*** (0.255)
DD[84-Month] Treatment*84-Month	0.191 (0.338)	-0.542 (0.344)	0.531* (0.307)	0.803*** (0.220)	0.361 (0.422)	0.157 (0.330)	-0.261 (0.261)	-0.693*** (0.221)	- 0.999** *	-0.196 (0.201)	0.233 (0.187)
Observations	490	487	490	487	484	487	490	344	344	743	1,628
R-squared	0.115	0.078	0.287	0.292	0.175	0.172	0.058	0.159	0.065	0.081	0.109
p-value(36m=84m)	0.381	0.00100	0.0110	0.0720	0.0810	0.0350	0.283	0.00100	0	0.482	0

Notes: Estimations use difference in difference modeling using the balanced panel sampled and three waves (baseline, 36 months and 84 months). Income & Revenues and Finance & Debt indices are estimated using only the 36 and 84 month waves. Consumption, food security and child material needs indices are standardized measures against the control group within each round; the remaining summary indices are computed as the equally weighted average of z-scores of each indicator within the domain, then standardized against the control group within each round. Impact estimates are mean standardized ITTs, therefore effect sizes are expressed in SD of the control group. Robust standard errors clustered at the community level are in parentheses. *p < 0.1 **p < 0.05; ***p < 0.01. Estimations are adjusted and include respondent's age, education and marital status, household size and household demographic composition, and a district dummy. Specifications 10 and 11 also include child's age and gender as controls.